CONSTRUCTION update

AUG 2017

Video I IT'S HAPPENING & HARD TO MISS

Our latest construction video highlights the three most visible work sites in the Central Valley. The Cedar and San Joaquin River Viaducts are the Southern and Northern gateways into Fresno and are considered signature structures along the alignment. We also look at the State Route 99 Realignment which runs two miles through the heart of central Fresno. You can see more photos from these projects at BuildHSR.com.

















THE NEW BUILDHSR.COM

The California High-Speed Rail Program has launched a redesigned version of <u>BuildHSR.com</u>. The new site is fully responsive, meaning it will look and work great on your phone or tablet as well as your computer. The new site features:

- More Photos
- Slideshow Navigation
- Faces of High-Speed Rail
- Interactive Map highlighting both the project site locations and road closures
- Details for each site under construction

The new version of BuildHSR.com will be a one-stop shop keeping you current on all the construction activity along the high-speed rail alignment.











CLOSING IN ON COMPLETION

Construction Package 1

FRESNO RIVER VIADUCT | MADERA COUNTY

The first major construction on the California High-Speed Rail Program began in summer 2015 at the Fresno River Viaduct in Madera County. That work is now largely complete, with the exception of some minor concrete patchwork. This structure is approximately 1,600-feet and will carry high-speed trains over the Fresno River and State Route 145.



TUOLUMNE STREET BRIDGE | FRESNO

The Tuolumne Street Bridge in downtown Fresno is near completion with final striping and permanent signage placement scheduled for the end of this month. The structure is expected to open in soon.

COTTONWOOD CREEK | MADERA COUNTY

Barrier walls have now been poured, and as at the Fresno River Viaduct, much of the work for the Cottonwood Creek crossing is complete. To the north and south of Cottonwood, preparatory work will begin next for the first section of guideway. This involves specific earthwork to convey the high-speed train atgrade.















TWO NEW PROJECTS BEGIN





GOLDEN STATE BLVD. **REALIGNMENT**

Realignment of Golden State Blvd. south of Herndon Ave. in north Fresno has begun with the relocation of utilities. The new alignment of Golden State will be constructed to the west, replacing approximately five miles of roadway, so that the high-speed rail line can be built between the freight rail line and the roadway.



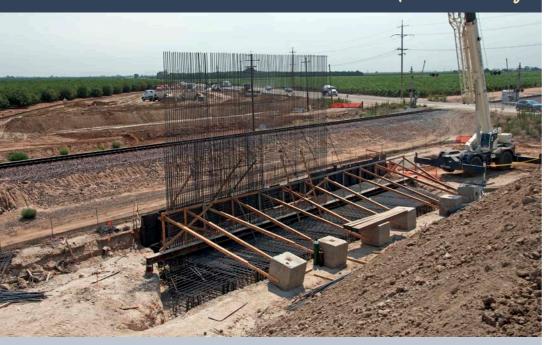






OVERCROSSINGS UNDER CONSTRUCTION

Madera Lounty



AVENUE 12

Excavation work for a new Avenue 12 alignment continues in Madera County east of Madera Community College. Two bridges will be connected by an earthen embankment for a crossing that will allow Avenue 12 traffic to cross over the future high-speed rail line and the freight line further to the east. Approximately 500,000 cubic yards of fill dirt is being trucked to the site to build up the embankment, and additional dirt is currently being trucked into the east of the BNSF tracks. Crews are constructing the abutment wall on the west side of the tracks, while on the east side, an electrical pole is being relocated and then excavation and a drill rig will move in to begin work on the abutment substructure for that side.



ROAD 27

At Road 27 in Madera County, crews will be pouring concrete for the south abutment. Falsework, forming, and rebar steel tying has begun for the caps on top of the columns. Important right-of-way parcels were acquired last month allowing dirt operations to begin at the ends of the bridge. The Road 27 crossing will take traffic over the existing railroad line and the future highspeed trains, eliminating the need for the existing at-grade crossing.



MUSCAT AVENUE VIADUCT | FRESNO

The Muscat Avenue Viaduct has also had its initial concrete pour for the superstructure. The viaduct will take high-speed trains to and from ground level west of State Route 99 once it is connected to the Cedar Viaduct.



FRESNO TRENCH & 180 PASSAGEWAY FRESNO

Paving has been completed and traffic has been shifted to temporary outside lanes on State Route 180 (SR 180). Crews are currently at work in the median of the highway, pouring concrete for soldier pile walls on the section of the Fresno Trench that crosses under SR 180. The trench will take high-speed trains under a rail spur, a canal, and the highway, about 40 feet below ground level.











CONSTRUCTION update

CONSTRUCTION PACKAGE 1 - 4 MAP



JOB NUMBERS AS OF JUNE 30

CONSTRUCTION LABOR WORKERS

282

CP 1: 952

CP 2-3: 227

> **CP 4:** 103

SMALL BUSINESS NUMBERS AS OF APRIL 30

PAID TO SMALL BUSINESSES		SMALL BUSINESSES WORKING
CP 1:	\$116 M	116
CP 2-3:	\$7.5 M	70
CP 4:	\$3.2 M	22

LATEST VIDEOS

youtube.com/cahighspeedrail



NORCAL GEOTECHNICAL WORK

Geotechnical work is underway along State Route 152 in the Pacheo Pass. Watch the video to see how pieces of the past will be used to help shape the future of transportation.



SUCCESSFUL RELOCATION

Fresno's Gymnastics Beat had to move to make way for high-speed rail. See how the owners worry turned to relief when he found this new location.

CONSTRUCTION PACKAGE 2-3 **PRECONSTRUCTION ACTIVITIES**



Preconstruction activities continue in Construction Package 2-3 in Fresno and Tulare Counties. Already crews have carried out geotechnical and demolition projects. Currently, crews are conducting embankment fill tests and utility relocations.



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